

**PATENT APPLICATION**

Assistant Commissioner for Patents  
Box **Patent Application**  
Washington, D. C. 20231

Sir:

Enclosed herewith for filing is the following **utility patent application**:

**Applicant(s):** Barry L. Chin  
Alfred W. Mak  
Lawrence Chung-Lai Lei  
Ming Xi  
Hua Chung  
Ken Kaung Lai  
Jeong Soo Byun

**Title of Application:** ATOMIC LAYER DEPOSITION APPARATUS

Pages of specification: 10 (including 3 pages of claims and  
1 page of abstract)

Sheets of drawing: 4

Executed on: 7-27-01 Docket No.: 5017/ISM/CORE MCVD/SB

**PATENT APPLICATION FILING FEE CALCULATION**

	<u>No. Filed</u>	<u>Less</u>	<u>Rate/Claim</u>	<u>Fee</u>
Total Claims	11	-20	0 x \$18.00	\$ 0.00
Independent Claims	3	- 3	0 x \$80.00	\$ 0.00
Minimum Filing Fee				\$710.00
Multiple Dependency Fee (if applicable - \$270.00)				\$_____
50% Reduction for Small Entity (Independent Inventor, Non-profit Corporation, or Small Business Concern) - appropriate verified statement attached				- \$ 0.00
<b>TOTAL FILING FEE</b>				<b><u>\$710.00</u></b>

Kindly charge the entire and/or any additional filing fee, as appropriate, to deposit account number **50-1074**. To facilitate that charge, a duplicate copy of this letter is enclosed herewith.

Please direct all correspondence to:  
Patent Counsel  
Applied Materials, Inc.  
3050 Bowers Avenue  
P.O. Box 450A  
Santa Clara, CA 95052

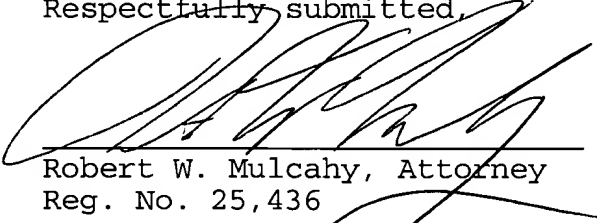
Also enclosed herewith for filing in connection with the enclosed application are:

☐ Oath;  
☒ Declaration and Power of Attorney;  
☒ Disclosure Statement;  
☐ Letter referencing previously filed disclosure document; number \_\_\_\_\_ filed \_\_\_\_\_;  
☐ Verified Statement claiming small entity status;  
☒ An assignment of the application to Applied Materials, Inc.;  
☐ Claim(s) to priority:

	<u>Serial Number</u>	<u>Filing date</u>
<input type="checkbox"/>	A certified copy of a _____ patent application or inventor's certificate, filed _____ and serial no. _____, upon which a claim to priority is made;	
<input checked="" type="checkbox"/>	<u>4</u> sheets of formal drawings.	

Respectfully submitted,

7-27-01

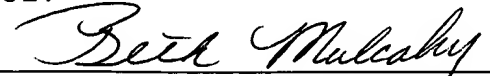
  
Robert W. Mulcahy, Attorney  
Reg. No. 25,436

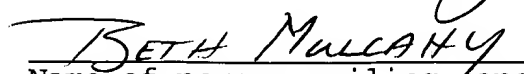
\*\*\*EXPRESS MAIL CERTIFICATION\*\*\*

"Express Mail" mailing label number: \_\_\_\_\_  
Date of deposit: 7-27-01

EL276123645US

I hereby certify that this patent application and related papers is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

  
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